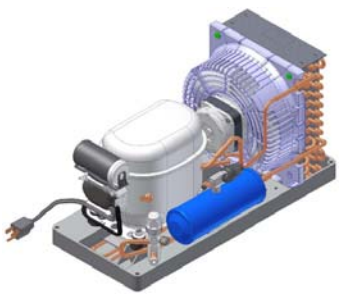
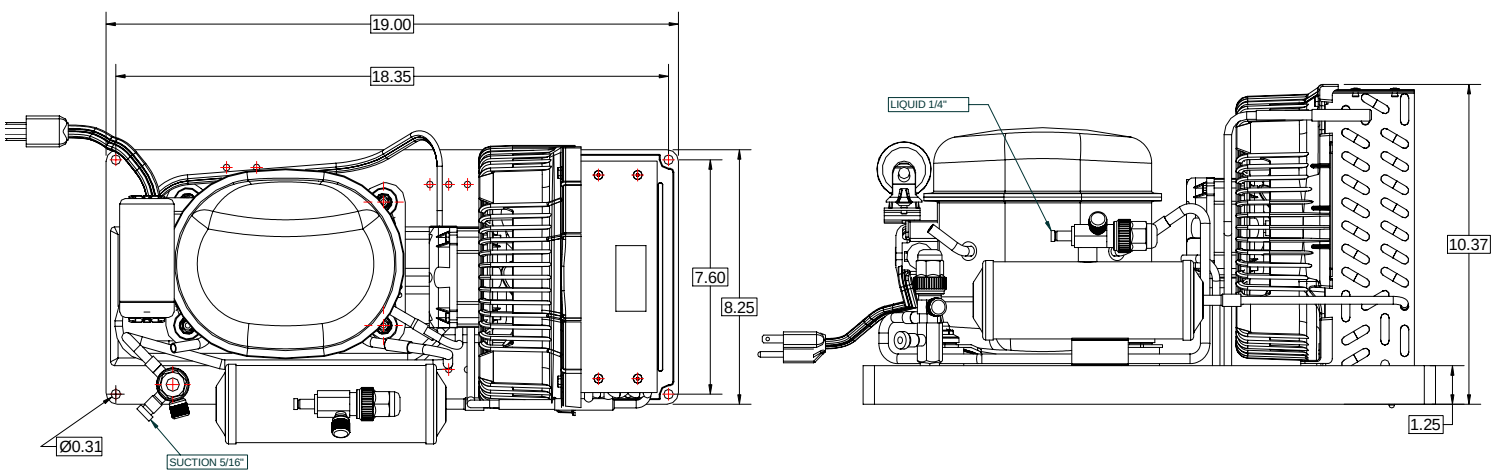
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AEA9422ZXAGL, -K, -B, -C**
BOM	**33X380-2, -3, -4, -5**
Air Cooled	**1/3 HP**
Application	**Commercial Temp**
Refrigerant	**R404A**
Volts-Hz-Ph	**115-60-1**





Model	Dimensions, inches (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross wt.
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs (kg)
AEA9422ZXAGL	19 (483)	8.7 (221)	10.3 (262)	5/16 Sweat	1/4 Sweat	n/a	240	16	39.6 (18)
AEA9422ZXAGK									
AEA9422ZXAGB		9.7 (246)				1.79			40.2 (18.2)
AEA9422ZXAGC				5/16 Valve Sweat	1/4 Valve Sweat	2.12			40.8 (18.5)

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temeratures											
		80°F			90°F			100°F			110°F		
°F	Psig	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.9	1330	400	95	1240	407	106	1103	413	115	919	431	124
-5	28.2	1489	432	100	1389	442	108	1237	457	117	1032	471	128
0	32.8	1648	464	104	1538	485	110	1370	503	119	1145	512	131
5	37.9	1849	501	105	1698	520	114	1503	538	121	1264	549	132
10	43.3	2050	539	106	1858	555	115	1636	574	124	1383	587	133
15	49.2	2232	566	110	2030	582	119	1789	604	126	1509	621	135
20	**55.5**	**2414**	**595**	**117**	**2202**	**612**	**121**	**1943**	**636**	**129**	**1636**	**654**	**137**
25	62.2	2607	624	119	2383	629	124	2103	653	132	1767	686	140
30	69.5	2802	617	121	2569	646	128	2269	684	134			
35	77.2	3103	613	125	2761	659	131	2407	707	138			
40	85.5	3333	633	128	2959	667	133						

40°F return gas below 20°F evaporator, 65°F return gas above 20°F evaporator, SubCooling 5°F

Parts/Specifications

Unit BOM	**33X380-2**	Condenser	50734-G04
Unit MODEL	**AEA9422ZXAGL**	Shroud	
		Fan Guard	116-003P
Refrigeration RANGE	-10°F to 45°F		
Design Pressure Low	181	Replacement Fan Motor	9W115
Design Pressure High	450	F. M., blade, guard assy	YFBG-109
Volts - HZ - Ph	115-60-1	F. M., blade, guard, shroud assy	
Voltage Range	126.5 to 103.5		
Min. Circuit Ampacity	8.96	Electrical Diagram	DEAE-10
Max. Fuse Size	15	Unit Drawing	DGBU-042
Compressor MODEL	AEA9422ZXA	**Unit BOM**	**33X380-3**
Compressor BOM	AE590AR-946-A2	**Unit MODEL**	**AEA9422ZXAGK**
Compressor LRA	40	Power Cord	85106-10
Compressor RLA	6.7	Unit Drawing	DGBU-042
OverLoad	8300MRTE59	**Unit BOM**	**33X380-4**
Relay	820RR12B79	**Unit MODEL**	**AEA9422ZXAGB**
Run Capacitor		Receiver	51085-1H
Run Capacitor Rating		Unit Drawing	DGBU-042R
Start Capacitor	85PS165C27		
Start Capacitor Rating	270-324MFD / 165V	**Unit BOM**	**33X380-5**
		Unit MODEL	**AEA9422ZXAGC**
Fan Motor	NUT6B09PUN301	Receiver /w Liq Valve	51085-1HV
Fan Motor RLA	0.58	Suction Valve	56580-1
Fan Blade	4VEA010	Unit Drawing	DGBU-042V